PA NT COOPERATION TREAT

	From the INTERNATIONAL BUREAU
PCT	То:
NOTIFICATION OF ELECTION (PCT Rule 61.2)	United States Patent and Trademark Office (Box PCT) Crystal Plaza 2 Washington, DC 20231 ÉTATS-UNIS D'AMÉRIQUE
Date of mailing (day/month/year) 28 January 1999 (28.01.99)	in its capacity as elected Office
International application No. PCT/US98/13280	Applicant's or agent's file reference 6741/KL
International filing date (day/month/year) 26 June 1998 (26.06.98)	Priority date (day/month/year) 26 June 1997 (26.06.97)
ROSELLE, Brian, Joseph et al	
The designated Office is hereby notified of its election in the demand filed with the International Prelim 29 Becement in a notice effecting later election filed with the	ber 1998 (29.12.98)
2. The election X was was not was not made before the expiration of 19 months from the principle 32.2(b).	iority date or, where Rule 32 applies, within the time limit under
The International Bureau of WIPO 34, chemin des Colombettes	Authorized officer Ting Zhao
1211 Geneva 20, Switzerland	T. L L D. No. : (41.22) 338.83.38

Telephone No.: (41-22) 338.83.38

Facsimile No.: (41-22) 740.14.35 Form PCT/IB/331 (July 1992)

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COMMUNICATION IN CASES FOR WHICH NO OTHER FORM IS APPLICABLE

United States Patent and Trademark Office (Box PCT) Crystal Plaza 2 Washington, DC 20231 ÉTATS-UNIS D'AMÉRIQUE

Date of mailing (day/month/year) 02 February 1999 (02.02.1999)			
Applicant's or agent's file reference 6741/KL	REPLY DUE see paragraph 1 below		
International application No. PCT/US98/13280	International filing date (day/month/year) 26 June 1998 (26.06.1998)		
Applicant THE PROCTER & G	AMBLE COMPANY		
REPLY DUE within months/days from the NO REPLY DUE, however, see below IMPORTANT COMMUNICATION INFORMATION ONLY	above date of mailing		
 COMMUNICATION: The International Bureau acknowledges receipt of 6 Pointernational application. Please note that applicants GEIS, CHUNG and TRINFPlease clarify. Many thanks and best regards, 			

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

Céline Faust

Telephone No. (41-22) 338.83.38 Facsimile No. (41-22) 740 14.35

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WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(57) Abstract

Basic cleaning compositions using toxicologically-acceptable ingredients for treating food such as produce, e.g., fruits and vegetables, and edible animal proteins are provided. Liquid formulations comprising, optionally, less than about 0.5% detergent surfactant, such as potassium alkyl sulfate, that does not affect palatability and basic buffer to provide a pH of at least 10.5 are applied to food products immediately before consumption and allowed to stay for at least about one half minute to significantly reduce microorganism contamination. The food can be consumed without rinsing.

FOR THE PURPOSES OF INFORMATION ONLY

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

AL AM AT AU AZ BA BB BE BF BG BJ BR CCF CCG CCH CCI CCM CCD CZ DE DK EE	Albania Armenia Austria Australia Azerbaijan Bosnia and Herzegovina Barbados Belgium Burkina Faso Bulgaria Benin Brazil Belarus Canada Central African Republic Congo Switzerland Côte d'Ivoire Cameroon China Cuba Czech Republic Germany Denmark Estonia	ES FI FR GA GB GC GN GR HU IE IL IS IT JP KE KG KP KR LC LI LK LR	Spain Finland France Gabon United Kingdom Georgia Ghana Guinea Greece Hungary Ireland Israel Iceland Italy Japan Kenya Kyrgyzstan Democratic People's Republic of Korea Republic of Korea Kazakstan Saint Lucia Liechtenstein Sri Lanka Liberia	LS LT LU LV MC MD MG MK MI MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG	Lesotho Lithuania Luxembourg Latvia Monaco Republic of Moldova Madagascar The former Yugoslav Republic of Macedonia Mali Mongolia Mauritania Malawi Mexico Niger Netherlands Norway New Zealand Poland Portugal Romania Russian Federation Sudan Sweden Singapore	SI SK SN SZ TD TG TJ TM TR TT UA UG US VN YU ZW	Slovenia Slovakia Senegal Swaziland Chad Togo Tajikistan Turkey Trinidad and Tobago Ukraine Uganda United States of America Uzbekistan Vitt Nam Yugoslavia Zimbabwe
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Inte PCT/US 98/13280

A. CLASSIF	ECATION OF SUBJECT MATTER A23P1/00		
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	International Patent Classification (IPC) or to both national classification	andiro	·
B. FIELDS	SEARCHED cumentation searched (classification system followed by classification sy	mbols)	
IPC 6	A23P		
Documenta	tion searched other than minimum documentation to the extent that such	documents are included in the fields sear	ched
Electronic o	lata base consulted during the international search (name of data base a	und, where practical, search terms used)	
C. DOCUM	MENTS CONSIDERED TO BE RELEVANT		Relevant to claim No.
Category *	I whose appropriate of the releva	nt passages	Meigadir to digiti iso.
X	WO 97 15202 A (PROCTER & GAMBLE) 1 May 1997		1-3,8,9, 12,15, 18-21
	see claims see page 5, line 23 - line 29 see page 10, line 1 - line 4 see page 14, line 31 - page 15, li	ne 5	1 2 2 2
A	WO 97 01623 A (PROCTER & GAMBLE) 16 January 1997		1-3,8,9, 12,15, 18-21
A	wo 97 01288 A (PROCTER & GAMBLE) 16 January 1997		1-3,8,9, 12,15, 18-21
	see claims		
	Further documents are listed in the continuation of box C.	Patent family members are lister	d in annex.
° Special "A" doc co "E" earl filli "L" doc wit cit "O" doc o "E" do	Il categories of cited documents : ument defining the general state of the art which is not nsidered to be of particular relevance lier document but published on or after the international ng date ument which may throw doubts on priority claim(s) or nich is cited to establish the publication date of another lation or other special reason (as specified) cument referring to an oral disclosure, use, exhibition or her means	"T" later document published after the in or priority date and not in conflict wincited to understand the principle or invention "X" document of particular relevance; the cannot be considered novel or care involve an inventive step when the "Y" document of particular relevance; the carnot be considered to involve an document is combined with one or ments, such combination being obin the art. "&" document member of the same pater	theory underlying the e claimed invention not be considered to document is taken alone e claimed invention inventive step when the more other such docu- vious to a person skilled
la	ter than the priority date claimed	Date of mailing of the international	
Date of	the actual completion of theinternational search	16/10/1998	
Name	8 October 1998 and mailing address of the ISA	Authorized officer	
матю	European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Lepretre, F	

information on patent family members

Inter Application No PCT/US 98/13280

Patent document cited in search report	Publication date		atent family nember(s)	Publication date
WO 9715202 A	01-05-1997	EP	0857024 A	12-08-1998
WO 9701623 A	16-01-1997	AU CA EP US	6112496 A 2225535 A 0836638 A 5749924 A	30-01-1997 16-01-1997 22-04-1998 12-05-1998
WO 9701288 A	16-01-1997	AU AU EP EP WO	5978196 A 6342796 A 0835063 A 0835065 A 9701290 A	30-01-1997 30-01-1997 15-04-1998 15-04-1998 16-01-1997



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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

oplicant's or a	gent's	file reference	FOR FURTHER ACTIO	See Notific N Preliminary	ation of Transmittal of International y Examination Report (Form PCT/IPEA/416)
	-1:	ion No	International filing date (day/m	onth/year)	Priority date (day/month/year)
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CT/US98/	328	0	ational classification and IPC		
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pplicant HE PROC	TER	& GAMBLE COMP	PANY et al.		- Authority
. This inte	ernati ansn	onal preliminary exar nitted to the applicant	nination report has been pre according to Article 36.	pared by this In	ternational Preliminary Examining Authority
			of 5 sheets, including this co	tal - descript	ion, claims and/or drawings which hav
☐ Thi bed (se	s rep en an e Ru	ort is also accompan nended and are the b le 70.16 and Section	ied by ANNEXES, i.e. sheets asis for this report and/or sh 607 of the Administrative Ins	ets containing structions under	ion, claims and/or drawings which hav rectifications made before this Authority the PCT).
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These	anne	xes consist of a total	OI SHEEKS.		
	port	contains indications r	elating to the following items		
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INTERNATIONAL PRELIMINARY **EXAMINATION REPORT**

International application No. PCT/US98/13280

I. Basis	f th	report
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	This report has been drawn on the basis of (substitute sheets which have been furnished to the receiving Office in this report has been drawn on the basis of (substitute sheets which have been furnished to the receiving Office in this report as "originally filed" and are not annexed to
1.	This report has been drawn on the basis of (substitute sneets which have been transfer and are not annexed to response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to
	response to an invitation under Article amendments):
	the report since they do not contain amendments.):

•	This report has been drawn on the basis of (substitute of the substitute of the subs							
	Description, pages:							
	1-17	as originally file	d					
	Claims, No.:							
	1-21	as originally file	ed					
2	. The amendments hav	e resulted in the	cancellat	ion of:				
	☐ the description,	pages:						
	☐ the claims,	Nos.:	_					
	the drawings,	sheets:						
3	3. ☐ This report has be considered to go	peen established beyond the disc	as if (son	ne of) the amendments had s filed (Rule 70.2(c)):	not been made, since they have t	een		
	4. Additional observation							
	V. Reasoned stateme applicability; citati	nt under Article ons and explan	ations su	th regard to novelty, inven apporting such statement	itive step or industrial			
	1. Statement							
	Novelty (N)	Yes: No:	Claims Claims	4-7,10,11,13,14,16,17 1-3,8,9,12,15,18-21				
	Inventive step (IS)	Yes: No:	Claims Claims	4-7,10,11,13,14,16,17 1-3,8,9,12,15,18-21				
	Industrial applicabi	lity (IA) Yes: No:	Claims Claims	1-21				

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/US98/13280

2. Citations and explanations

see separate sheet

VII. Certain defects in the international application

The following defects in the form or contents of the international application have been noted:

see separate sheet

VIII. Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

see separate sheet

Re item V

1 Citations

Reference is made to the following document:

D1: WO 97/15202 A

2 Novelty (Article 33(2) PCT)

Document D1 describes cleaning sanitizing methods and compositions suitable for fruits and vegetables.

The compositions have a pH of more than 9.5, preferably in the range of from 11.5 to 12.5 and comprise a basic carbonate buffer and optionally up to 0.2% anionic surfactant (see claims 1-4). The composition is safe even when the produce is not completely rinsed (see page 5, lines 23-29) and the treatment is carried out for at least about one minute (see page 14, lines 31 - page 15, line 5).

Thus, D1 already discloses all the features of claim 1.

The subject-matter of claims 2,3,8,9,12,15 (see the viscosity requirements page 10, lines 1-4), 18-21 is also known from D1.

It is pointed out that the expression of claim 21 "impure water" is not clear and well defined. It is hence considered that the water used in D1 is at least to some extend "impure".

3 Inventive step (Article 33(3) PCT)

The problem underlying the present invention can be seen in the provision of a method and composition for reducing the level of microorganisms on food products, wherein said food does not need to be rinsed before consumption and water which is not safe for use can be used for dilution.

It is not readily apparent, in view of the high number of optional or possible alternative components of the treatment solution (especially as disclosed in claims 2-6 and 8-14) how such result is achieved.

INTERNATIONAL PRELIMINARY International application No. PCT/US98/13280 EXAMINATION REPORT - SEPARATE SHEET

The subject-matter of claims 4-7,10,11,13,14,16,17 is however not disclosed or suggested in the available prior art and could therefore support the inventive step of a new independent claim.

Re item VII

Contrary to the requirements of Rule 5.1(a)(ii) PCT, the relevant background art disclosed in the document D1 is not mentioned in the description, nor is this document identified therein.

Re item VIII

Claim 1 does not meet the requirements of Article 6 PCT in that the matter for which protection is sought is not clearly defined. The claim attempts to define the subject-matter in terms of the result to be achieved which merely amounts to a statement of the underlying problem: "the composition being essentially free of any material that adversely affects safety or palatability, so that said food does not need to be rinsed before consumption". The technical features necessary for achieving this result are not disclosed. It should be noted that any independent claim must contain all the technical features essential to the invention (Article 6 PCT taken in combination with Rule 6(3)(b) PCT).

PCT/US 98/1328Q **RO/US** 2 0 NOV 1998

PATENT COOPERATION TREATY (Appointment of Agent or Common Representative) POWER OF ATTORNEY

2 7 JAN 1999 REC'L PCT WIPO

The undersigned applicant:

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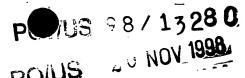
(Complete name and address)

hereby appoints:

UNITED STATES RECEIVING OFFICE U.S. Registration No. Hasse, Donald E. Reed, T. David Hughett, Eileen L. 41,048 Guffey, Timothy B. 41.501 Hiland, Emelyn L.

as attorney/agent to act on his/her behalf, with full power of substitution, before all competent international authorities in connection with any and all international applications filed by him/her with either the United States Receiving Office or The International Bureau of W.I.P.O. Receiving Office and to make or receive payments on behalf of the undersigned.

Signed at Channah, Ohio



RONS

PATENT COOPERATION TREATY (Appointment of Agent or Common Representative) POWER OF ATTORNEY

2 7 JAN 1999 REC'L WIPO

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(Complete name and address)

Reed, T. David

Hiland, Emelyn L.

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as attorney/agent to act on his/her behalf, with full power of substitution, before all competent international authorities in connection with any and all international applications filed by him/her with either the United States Receiving Office or The International Bureau of W.I.P.O. Receiving Office and to make or receive payments on behalf of the undersigned.

Signed at

PATENT COOPERATION TREATY (Appointment of Agent or Common Respresentative) POWER OF ATTORNEY

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(Complete name and address)

hereby appoint:

UNITED STATES RECEIVING OFFICE Hasse, Donald E. 29,387 Reed, T. David 32,931 Hughett, Eileen L. 34,352 Dostie, George E. 39,173

as agents to act on his/her behalf, with full power of substitution, before the competent international authorities filed by him/her with either the United States Receiving Office or The International Bureau of W.I.P.O. Receiving Office and to make or receive payments on our behalf.